**Project Title:** Develop a capital improvement plan for managing the roads of City of Fort Wayne within a limited budget.

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| **Tasks** | Timeline | | | | |
| Week  7 & 8 | Week  9 & 10 | Week  11 & 12 | Week  13 & 14 | Week  15 & 16 |
| **Task 1:** Problem statement and detail plan |  |  |  |  |  |
| **Task 2:** Data analysis (only Figures and Tables) |  |  |  |  |  |
| **Task 3:** Writing: Data analysis and Key conclusion |  |  |  |  |  |
| **Task 4:** Final Report |  |  |  |  |  |

Homework 1:

Table 1: Sample dataset

Figure 1: Summarize overall pavement condition by functional classification of roadways.

Table 2: Maintenance decision tree

Table 3: Maintenance cost matrix

Figure 2: Pavement deterioration model from literature review.

Table 4: Pavement improvement matrix

Table 5: Determine the budget required to keep the overall pavement condition same next year.